





3VA Molded Case Circuit Breakers

3VA Accessory Electrical Requirements

Technical data

Shunt trip/undervoltage electrical requirements

				Shunt trip left STL	Shunt trip flexible STF	Undervoltage releases UVR	Universal release UNI
							
Rated impulse withstand voltage	U_{imp}	kV	6			4	0.5
Making current	I_{max}	at V	1.5 A/24 V AC	18 A/24 V AC	5 mA/480 V	1.5 A/24 V	
Maximum tripping time		ms	< 10				
Service life	Electrical trips		8500				
	Mechanical switching cycles of the circuit breaker		25000				
Priority over other control signals			Given				
Degree of protection	Lid of the accessories compartment closed		IP40				
	Lid of the accessories compartment open		IP 20				
Minimum signal duration		ms	40	40	--	40	
Response voltage shunt trip	Pick-up (circuit breaker trips)	Us/V	%	70 ... 110		--	70 ... 110
Undervoltage release response voltage	Pick-up (circuit breaker can be switched on)	Us/V	%	--	--	85 ... 110	
	Pick-up (circuit breaker trips)	Us/V	%	--	--	35 ... 70	
Tripping frequency	Trips per hour		Unlimited	120	Unlimited		
Can be used for electrical interlocking of molded case circuit breakers			No	No	Yes		

Motor operator electrical requirements

MO320 motor operator	3VA5 125 A	3VA5 250 A	3VA6 150 A/ 250 A	3VA5 3VA6 400 A/ 600 A
Degree of protection	NEMA 1			
Rated control supply voltage (operating range of control supply voltage)	24 V ... 60 V DC (0.85 ... 1.26) 110 V ... 230 V AC/ 110 V ... 250 V DC (0.85 ... 1.1)			
Rating	250 W, max. 500 W (60 ms)			
Make time, typically	< 800 ms	< 1000 ms		< 1700 ms
Break time, typically	< 800 ms	< 1000 ms		< 1400 ms

